

MEETING MINUTES

Project: George Tubies Property- Wetland Restoration Field Meeting

Project No: 07-07964-001

Meeting Date: 4/1/08

Report Date: 4/4/08

Location: George Tubies' property east of Gettysburg, PA & the Adams County Conservation District Office in Gettysburg, PA

Participants: George Tubies- property owner; Todd Lutte- EPA; Frank Plewa- U.S. Army Corps of Engineers (USACOE); Jack Powell, PE- principal of Jack N. Powell, PE, Inc; Russell Ryan- Adams County Conservation District (ACCD); Timothy Falkenstein & Jonathan Kasitz- RETTEW

Summary of Discussion:

The meeting was called to review the wetland restoration plan completed by RETTEW Associates, Inc. (RETTEW) in January 2007. The meeting was conducted on the property of George Tubies, located at the intersection of Granite Station Road and US Route 30, east of Gettysburg, PA. All of the participants listed above were in attendance, except for Russell Ryan. A subsequent meeting was held with Mr. Ryan at the ACCD office to further discuss the conclusions made at the initial meeting, as well as discuss a February 12, 2008 letter sent from the ACCD to Mr. Tubies concerning the project. The project involves restoration of disturbed wetlands located on the eastern side of George Tubies' property.

The meeting started with an overview of the project history and goals. The meeting then continued to closely review the "Proposed Conditions" plan prepared by RETTEW and the existing site conditions. The following changes to the Plan were requested by the EPA and USACOE:

1. Instead of the proposed "temporary straw bale barrier", the revised plan will utilize a rock filter at the downstream end of the restoration activities. This rock filter will be comprised of R-4 (6" to 12") rip rap, most of which can be collected from the site. Smaller, #57 or #67 size stone should be used on the upstream side of the rock filter to increase the structure's ability to filter and trap sediment.
 2. The top of the check dams will be widened approximately 1', making the side slopes slightly steeper. Also, a thin layer of topsoil will be added to the top of the dams to facilitate vegetative cover of these features.
 3. As initially proposed, these check dams should be made of compacted clay found on the site. The contractor should first utilize clay soils available in the disturbed area between the stone driveway and swale, which will be graded to restore to pre-disturbance
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elevations. If additional clay is needed, the contractor may utilize clay excavated from other portions of the site. If large tree trunks are available on the site, the contractor may place these within the swale (between the three proposed clay check dams) at the discretion of the wetland biologist on site during construction. These will serve to reduce the erosive power of sheet flows flowing through the swale and speed up the site's restoration back to pre-disturbance conditions.

4. The contractor will excavate a small swale to drain the existing small swale leading from Mr. and Mrs. Gerald J. Redding's property onto the subject property. This new swale will convey sheet flow off of Mr. Redding's property thru Mr. Tubies property, tying into the excavated swale upstream of the rock filter.
5. As noted in Note #3, the disturbed area between the swale and driveway (see plan) will be restored to pre-disturbance elevations. This will be done by scraping off the topsoil layer. The contractor will then grade off approximately 6" of the clay subsoil for use in the check dams. The topsoil will then be regraded to pre-disturbance elevations, including the filling in of the smaller ditch that was dug along the southern side of the stone driveway.
6. Some of the topsoil compiled in Note #5 will be used to fill in the area between the woodline and edge of stone, north of the driveway on the northeast corner of the site. This fill should raise this area back to pre-disturbance elevation, and may include a small crown just north of the driveway, to divert sheet flows back into the wetland found within the woodline.
7. After all major earth disturbance is complete, and prior to seeding and mulching, the contractor will lightly rake all disturbed areas to loosen up these areas that may have been compacted by machinery, to facilitate faster vegetative cover.
8. Immediately after the proposed earth disturbance, the contractor will seed any bare, or disturbed soil areas with annual ryegrass at a rate of 10 lbs. per acre (or ½ lb. per 1000 sq. ft.). These areas will then be mulched with straw applied at a rate specified in the revised Plan.
9. Monitoring of the restored wetlands will be conducted by representatives from the USACOE and EPA, who will periodically review the site's progress, at least once annually, over the course of the next 5 years.
10. Mr. Tubies agreed to initiate the work specified in the revised "Proposed Conditions" plan by June 31, 2008. The work will be completed by August 31, 2008. If due to weather conditions, or other unforeseen complications, this is not feasible, Mr. Tubies must receive a written extension from the EPA to push back the completion date. These dates will be noted on the revised plan.
11. The revised plan will also note that any future earth disturbance, (except the proposed restoration activities) conducted by anyone within the areas delineated by RETTEW (and agreed upon by the USACOE and EPA) as wetlands, must first receive written approval from both agencies. The wetland line delineated by RETTEW on November 6, 2007 was reviewed by the USACOE and EPA, and deemed satisfactory.
12. A brief narrative will be included with the revised plan, which will include the construction sequence and the comments above made by the USACOE, EPA and/or ACCD.

If no other comments are generated from these Meeting Minutes, these changes will be made to the "Proposed Conditions" plan, which will then be forwarded to all the attendees listed above.

The preceding meeting minutes represent the writers understanding of the meeting discussions; anyone having comments, corrections, or changes to the minutes should notify
